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SECOND GIANT BOOK OF COMPUTER GAMES

Tim Hartnell



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Contains 6 programs:

- The Big MazeCavalier 'Chute Engulf
 - Mine Sweeper
- It's a Mad, Mad WorldCeltic Tarot



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- Get out of tight places in THE BIG MAZE
- Survive with subtle precision in CAVALIER 'CHUTE
- ENGULF aliens in far away galaxies
- Explosive action abounds in MINE SWEEPER
- IT'S A MAD, MAD WORLD full of adventure
- THE CELTIC TAROT forsees what lies ahead

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IBM SERIES

StripWareTM

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- The Big MazeCavalier 'Chute
- - Engulf
- Mine Sweeper
- It's a Mad, Mad World • Celtic Tarot



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TIM HARTNELL, author of such current bestselling computer books as Creating Adventure Games, is an Australian journalist who enjoys writing on any computer-related topic. He has written more than 30 books on personal computers, including many game books.

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SECOND GIANT BOOK OF COMPUTER GAMES

by Tim Hartnell

THE BIG MAZE

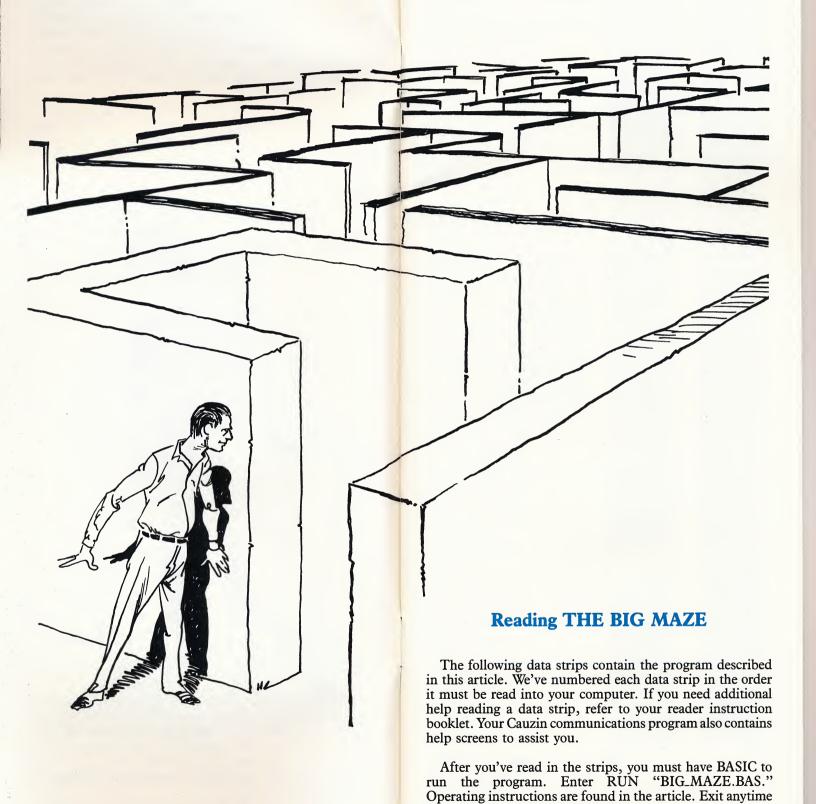
In the world of video and computer software, Pac-Man probably did more to resurrect the concept of maze games than any other variation on the theme. However, you don't need ghosts and power pellets to have a challenging and enjoyable time in trying to make it through a maze.

THE BIG MAZE is a remarkable program from London programmer Tony Pearson. Your mission is to move through a maze (on screen you're represented by the letter I) and get to the exit (represented by X). You can request a view of the maze from above at any time. The program will draw a map showing you where you are, where you've been, and where you want to go.



The real challenge of the maze comes into play when, instead of looking at the entire maze from above, you stay "within" it, and look (or move) in a particular direction. You'll see a view of the maze for a short distance in the direction you requested. It may take a few runs of the program before you are able to visualize the maze, but it's well worth the trouble.

When you start, you'll see the commands to use in entering your moves. Enter N, S, E, or W to look in that direction. Follow it, next turn, with M to move in that direction. Enter V to view the entire maze from above, or R to move randomly to a new position. Exit at any time by pressing CONTROL-BREAK.



by pressing CONTROL-BREAK.

THE BIG MAZE

```
10 REM THE 3-D MAZE 11 REM
                                                                                                                       685 REM ********
         12 REM FROM TIM HARTNELL'S
13 REM SECOND GIANT BOOK
14 REM OF COMPUTER GAMES
15 REM
                                                                                                                       690 M$=MID$(A$(X),Y,5)
700 L$=MID$(A$(X-1),Y,5)
710 R$=MID$(A$(X+1),Y,5)
                                                                                                                    REM BALLANTINE BOOKS
         16
         17 REM
         10 WIDTH 40:CLS
25 RANDOMIZE VAL (RIGHT$(TIME$,2))
27 LOCATE 3,14:PRINT THE BIG MAZE"
28 LOCATE 10,13:PRINT "Getting Rea
         70 A$(F+1)="
        DIRECTION..."
223 PRINT "ENTER 'V' TO VIEW THE MA
P, OR"
224 PRINT "'R' TO MOVE RANDOMLY TO
A NEW POSITION"
225 PRINT "CHOOSE: N, S, E, W, V, M
         226 R$=INKEY$:IF R$="" THEN 226
227 PRINT:IF R$="V" THEN D=5:GOTO 2
        227 PRINT:IF R$="V" THEN D=5:GOT
50
228 IF R$="R" THEN D=6:GOTO 250
229 IF R$="M" THEN D=0:GOTO 250
231 IF R$="M" THEN D=1:GOTO 250
232 IF R$="E" THEN D=1:GOTO 250
233 IF R$="W" THEN D=3:GOTO 250
234 IF R$="S" THEN D=2:GOTO 250
240 GOTO 225
250 IF D>0 THEN D1=D
260 IF D=0 THEN 420
270 IF D=5 THEN GOSUB 570
280 IF D=6 THEN GOSUB 610
290 IF D>4 OR D<1 THEN 225
295 GOSUB 1000
300 PRINT "DIRECTION: ";U$
310 M$="":L$="":R$=""
340 ON D1 GOSUB 690,730,790,850
350 FOR F=5 TO 1 STEP -1
360 PRINT MID$(L$,F,1);
370 PRINT MID$(L$,F,1);
370 PRINT MID$(R$,F,1)
390 NEXT F
         380 PRINT MID$(R$,F,1)
390 NEXT F
410 GOTO 225
415 REM **********
420 X1=X:Y1=Y
440 X=X-(D1=2)+(D1=4)
450 Y=Y+(D1=3)-(D1=1)
460 IF MID$(A$(X),Y,1)="*" THEN 530
470 IF MID$(A$(X),Y,1)="X" THEN 670
480 MO=MO+1
490 A$(X)=MID$(A$(X),1,Y=1)+"I"+MID
        480 MO=MO+1
490 A$(X)=MID$(A$(X),1,Y-1)+"I"+MID
$(A$(X),Y+1,25-Y)
500 A$(X1)=MID$(A$(X1),1,Y1-1)+"."+
MID$(A$(X1),Y1+1,25-Y1)
501 GOSUB 1000
510 PRINT "DIRECTION: ";U$
520 GOTO 310
530 X=X1:Y=Y1
550 PRINT "BAD MOVE"
560 GOTO 225
565 REM **********
570 CLS:FOR F=4 TO 26
580 PRINT A$(F)
590 NEXT F
600 RETURN
        MO "MOVES...
```

```
Games
                                                                                                                                   Second Giant Book of Computer
Ballantine Books
                                                                                                                 THE BIG MAZE
                                                                                                                                                        All rights
                                                                                                                         by Tony Pearson
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```

Softstrip

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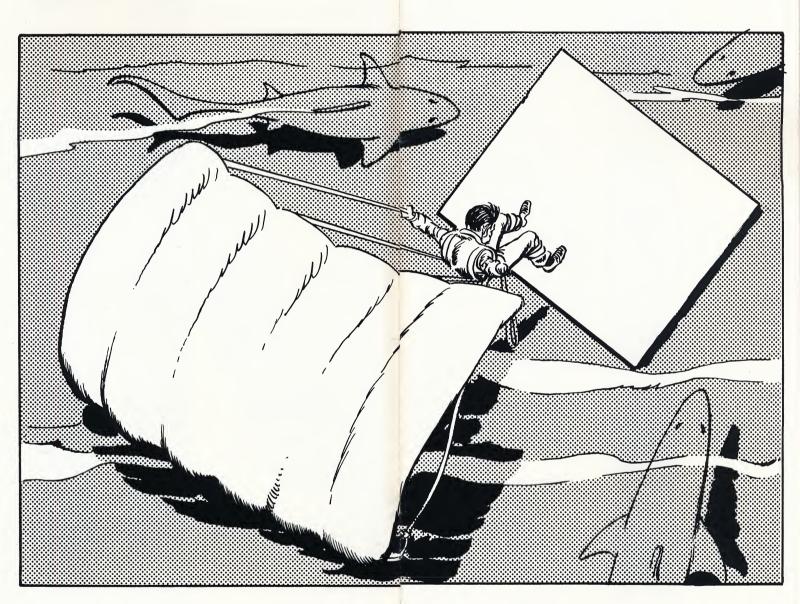
2

CAVALIER 'CHUTE

Some games call for rapid-fire action while you try to destroy everything in sight. Others have more subtle play where precision timing is the necessary skill in order to master the game.

Written by Neal Cavalier-Smith, CAVALIER 'CHUTE is a program that offers the challenge of battling wayward wind-drifts while you attempt to land your parachute safely. Your target is a tiny landing-pad that is floating on the waves of a great ocean.

The action begins with the computer printing out your parachute over and over again as it descends. In order to guide it onto the landing pad below, use the Z key to move the parachute to the left and the M key to move to the right. Any other key keeps you heading straight down. Miss the pad, and you'll drown! To exit, press CONTROL-BREAK at any time.



There are four different levels of play and the game will start after you have selected the degree of difficulty you're ready to take on. On screen you will see:

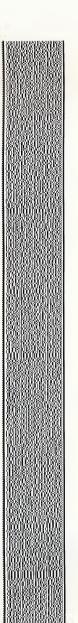
SELECT YOUR GAME:

- A EASY
- B MODERATE
- C DIFFICULT
- D INCREDIBLY HARD

Reading CAVALIER 'CHUTE

The following data strip contains the program described in this article. If you need additional help reading a data strip, refer to your reader instruction booklet. Your Cauzin communications program also contains help screens to assist you.

After you've read in the strip, you must have BASIC to run the program. Enter RUN "CHUTE.BAS". Operating instructions are found in the article. Exit anytime by pressing CONTROL-BREAK.



CAVALIER 'CHUTE by Neal Cavalier-Smith Second Giant Book of Computer Games Ballantine Books Copyright 1985. All rights reserved.

CAVALIER 'CHUTE

```
840 IF INKEY$<>"" THEN 840
850 GOSUB 250
 10 REM CAVALIER 'CHUTE
 10 REM CAVALIER CHUTE
11 REM
12 REM FROM TIM HARTNELL'S
13 REM SECOND GIANT BOOK
14 REM OF COMPUTER GAMES
15 REM
                                                                                                                              860 RETURN
870 REM ******
                                                                                                                               880 REM DROWNED!
                                                                                                                               890 PRINT TAB (13); "YOU BEEN DROWNED
"P"POINTS"
910 PRINT TAB (12); "YOU SCORED "P"POINTS"
910 PRINT TAB (16); "IN"AT"ATTEMPTS."
20 P=20
20 P=20
30 GOSUB 110:REM INTIALISE
40 REM *********
50 REM MAIN CYCLE
60 GOSUB 360:REM PRINT 'CHUTE
70 GOSUB 520:REM LANDING STRIP
80 GOSUB 580:REM GET KEYS
90 GOTO 60
100 REM **********
110 REM INITIALISATION
120 WIDTH 40:CLS
140 PRINT:PRINT "SELECT YOUR GAME:"
150 PRINT TAB(6);"A - EASY"
160 PRINT TAB(6);"B - MODERATE"
170 PRINT TAB(6);"C - DIFFICULT"
180 PRINT TAB(6);"D - INCREDIBLY HARD"
 RD'
 RD"
185 PRINT:PRINT "USE Z AND M TO MOV
E THE CHUTE.":PRINT "ANY OTHER KEY
FOR STRAIGHT DOWN.":PRINT
187 PRINT "BE SURE CAPS LOCK IS ON.
":PRINT
":PRINT

190 R$=INKEY$:IF R$="" THEN 190

200 IF R$<"A" OR R$>"D" THEN 190

210 DF=1/2

220 IF R$="C" THEN DF=1

230 IF R$="B" THEN DF=2

240 IF R$="A" THEN DF=3

250 STP=0:REM SCREEN TOP

260 RANDOMIZE VAL (RIGHT$ (TIME$,2))

280 SBOT=19:REM SCREEN BOTTOM

280 SBOT=19:REM SCREEN BOTTOM

300 SWDE=40:REM WIDTH OF SCREEN

300 SWDE=SWDE-3

310 ACC=INT (RND (1)* (SWDE-4))

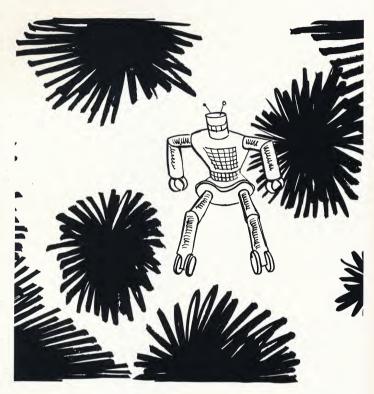
320 PAD=INT (RND (1)* (SWDE-10))

330 PLUS=1
  330 PLUS=1
  380 FOR C=0 TO STP
 380 FOR C=0 TO STP
390 PRINT
400 NEXT C
410 PRINT TAB (ACC); " " "
420 PRINT TAB (ACC); " O "
440 PRINT TAB (ACC); " U "
440 PRINT TAB (ACC); " U "
440 PRINT TAB (ACC); " U "
450 IF STP=SBOT-4 THEN 490
460 FOR C=6 TO SBOT-STP
  470 PRINT
480 NEXT C
490 STP=STP+1
 500 RETURN
510 REM ************
520 REM LANDING STRIP
               PAD=PAD+PLUS
IF PAD>SWDE-6 THEN PLUS=-1
   540
   540 FF PAD/SWDE-6 THEN FE
550 PRINT TAB (PAD); "@@@@"
560 RETURN
570 REM *******
 500 RBM ********
580 REM GET KEYS
590 IF STP=SBOT-4 THEN GOSUB 650
600 Y$=INKEY$:IF Y$="" THEN 600
610 IF Y$="Z" THEN ACC=ACC-DF
620 IF Y$="M" THEN ACC=ACC+DF
625 IF ACC<0 THEN ACC=36
626 IF ACC>36 THEN ACC=0
630 RETURN
640 REM ************
650 REM SEE IF DROWNED
660 IF ACC<PAD-1 THEN 770
670 IF ACC>PAD-1 THEN 770
680 IF ACC=PAD+1 OR ACC=PAD THEN 73
0
   690 PRINT TAB(8); "YOU MADE IT...BY
  THE
   700 PRINT TAB (9); "SKIN OF YOUR TEET
   710 P=P+5
   720 GOTO 800
730 PRINT TAB(12); "CONGRATULATIONS!
  1"
740 PRINT TAB (13); "A SAFE LANDING!"
750 P=INT (P+10/DF)
760 GOTO 800
770 PRINT TAB (12); "SPLOSSSSSHHHHHH
HH!!"
  HH!!"
780 PRINT TAB (14); "YOU GOT SOAKED!"
790 P=P-2
800 AT=AT+1
810 IF AT=20 OR P<0 THEN 890
820 PRINT TAB (11); "YOU HAVE"P"POINT
   830 FOR X=1 TO 1000:NEXT X
```

ENGULF

Space, the final frontier where so much has happened over the years. Many of us confronted onrushing Invaders bent on destruction and Asteroids that not only had to be avoided but also blown apart. Well, just when you thought it might be safe to travel through the galaxy, another nasty alien stands in your way.

At the controls of your space-cruiser Borealis, you're off to a corner of the universe. Your task is to "engulf" the alien, immobilizing it by destroying all the sectors of space around it.



Both you and the alien (shown on your screen as an A) are unable to move onto the outer border of the area of space under view. These "out of bounds" areas are indicated by "-" marks (hyphens).

The alien doesn't have to change locations on every move. However, if it does decide to move, it may be by one or two squares from its present position. You must isolate your crafty foe by blasting areas of space out of existence. All you have to do is enter the coordinates of the space you want to destroy as two numbers. Press CONTROL-BREAK to exit the program any time.

Wipe out all the squares onto which the alien could move and you've "engulfed" it. The alien keeps a watch on the space around it, and your computer can detect the degree of danger the alien senses in its present position, so you can follow (more or less) what the alien is thinking. A word of caution: You're not allowed to land on the alien, and you'll destroy yourself if you do.

You'll discover that the best strategy is to trap the alien against one of the sides of the grid. This limits its potential moves. Of course, the alien is aware of the danger of being caught near the sides, and uses its limited intelligence to try to keep away from them. A hint: Try to build a "fence" of blank areas in a curve around the alien so that you can force it to move into a side. Good luck!

Reading ENGULF

The following data strip contains the program described in this article. If you need additional help reading a data strip, refer to your reader instruction booklet. Your Cauzin communications program also contains help screens to assist you.

After you've read in the strip, you must have BASIC to run the program. Enter RUN "ENGULF.BAS". Operating instructions are found in the article. Exit anytime by pressing CONTROL-BREAK.

ENGULF
by Tim Hartnell
Second Giant Book of Computer Games
Ballantine Books
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ENGULF

```
10 REM ENGULF
                  REM
REM FROM TIM HARTNELL'S
   13 REM SECOND GIANT BOOK
14 REM OF COMPUTER GAMES
   15 REM
   19 REM
20 HSCRE=0
19 KEM
20 HSCRE=0
30 DIM A (10,10)
40 GOSUB 1030:REM INITIALISE
50 GOSUB 220:REM ALIEN MOVE
60 REM ********
70 REM MAIN LOOP
90 GOSUB 800:REM PRINT OUT
90 GOSUB 800:REM PLAYER MOVE
110 GOSUB 220:REM ALIEN MOVE
120 TME=TME-1
130 SHOTS=SHOTS+1
140 IF TME=0 THEN 580
150 GOTO 80
160 REM *********
170 REM COLLISION
180 PRINT TAB (8); "YOU HIT AN ALIEN, CAPTAIN"
190 PRINT TAB (9); "AND HAVE BEEN DES
   CAPTAIN"
190 PRINT TAB (9); "AND HAVE BEEN DES
TROYED"
200 GOTO 580
210 REM *********
220 REM ALIEN MOVE
230 REM * CHECK IF SURROUNDED *
240 H=0
250 H=H+A (M-1, N)
240 H=0
250 H=H+A (M-1,N)
260 H=H+A (M-1,N)
270 H=H+A (M,N-1)
280 H=H+A (M,N-1)
280 H=H+A (M,N+1)
390 H=H+A (M,N+1)
310 H=H+A (M+1,N+1)
310 H=H+A (M+1,N-1)
320 H=H+A (M-1,N-1)
330 IF H=16 THEN 500:REM SURROUNDED
340 REM * MOVE ALIEN *
350 E=M:F=N
360 CT=0
370 M=M-INT (RND (1)*3)+INT (RND (1)*3)
380 IF M<2 OR M>9 THEN M=E:GOTO 370
390 IF (M<4 OR M>7) AND RND (1)>.7 T
HEN M=E:GOTO 370
400 CT=CT+1:IF CT=60 THEN M=E:N=F:G
OTO 460
410 N=N-INT (RND (1)*3)+INT (RND (1)*3)
420 IF N<2 OR N>9 THEN N=F:GOTO 410
430 IF (N<4 OR N>7) AND RND (1)>.7 T
HEN N=F:GOTO 410
440 IF N<2 OR N>9 THEN N=F:GOTO 410
440 IF (N<4 OR N>7) AND RND (1)>.7 T
HEN N=F:GOTO 410
440 IF (N<4 OR N>7) AND RND (1)>.7 T
HEN 410
450 IF A (M,N)=1
480 RETURN
490 REM ********
500 REM SURROUND
510 GOSUB 800
520 PRINT "-----> ENGULFED! WELL
   500 REM SURROUND
510 GOSUB 800
520 PRINT "-----> ENGULFED! WELL
DONE..."
530 PRINT "----> IT TOOK YOU"S
HOTS"SHOTS"
540 PRINT "AND YOU DID IT WITH"TME"
TIME UNITS LEFT"
550 Q=TME*1000/SHOTS
560 PRINT "-----> YOUR RATING IS
    650 END
660 REM *********
670 REM PLAYER MOVE
680 PRINT "WHICH SECTOR WILL YOU SH
070 OF AT?"
690 PRINT TAB(8); "ACROSS";
700 $$=INKEY$:IF $$="" THEN 700
705 $=VAL($$)
710 IF $<2 OR $>9 THEN 700
```

```
715 PRINT S
720 PRINT TAB(8); "AND DOWN";
730 R$=INKEY$:IF R$=" THEN 730
735 R=VAL(R$)
740 IF R<2 OR R>9 THEN 730
   745 PRINT R
750 IF A(R,S)=1 THEN 170:REM ALIEN
HIT
760 IF A(R,S)=2 THEN PRINT "THAT SE
CTOR IS ALREADY DESTROYED!":RETURN
770 A(R,S)=2
780 RETURN
790 REM ********
800 REM PRINT OUT
810 CLS
820 PRINT.PRINT "-> HIGHEST SCORE S
 850 PRINT "---> ALIEN NOW AT"N;M
860 PRINT "-> TIME LEFT: "TME"--- LA
SERS FIRED: "SHOTS
870 PRINT "-----
880 PRINT TAB (5); "12345678910"
890 FOR K=1 TO 10
900 IF K<10 THEN PRINT " ";
910 PRINT K;
920 FOR J=1 TO 10
930 IF K<2 OR K>9 OR J<2 OR J>9 THE
N PRINT "-";:GOTO 970
940 IF A(K,J)=0 THEN PRINT "*";
950 IF A(K,J)=1 THEN PRINT "A";
960 IF A(K,J)=2 THEN PRINT ",
970 NEXT J
980 PRINT
990 NEXT K
980 PRINT
990 NEXT K
1000 PRINT
1010 RETURN
1020 REM *********
1030 REM INITIALISE
1040 WIDTH 40:CLS
1045 LOCATE 3,16:PRINT "ENGULF"
1050 RANDOMIZE VAL (RIGHT$(TIME$,2))
1060 PRINT:PRINT "PLEASE STAND BY F

0700 TME=30
1080 SHOTS=0
1090 H=0
1100 FOR B=1 TO 10
1110 FOR C=1 TO 10
1120 A(B,C)=0
1130 IF B<2 OR B>9 OR C<2 OR C>9 TH
EN A(B,C)=2
1140 NEXT C
1150 NEXT B
1160 M=INT(RND(1)*7)+2
1180 A(M,N)=1
    990 NEXT K
    1180 A(M,N)=1
1190 RETURN
```

MINE SWEEPER

There's trouble on the high seas and you're the only hope to clear a path through the heavily mined Juicy Straits Canal. Oil tankers must pass through safely with the mine-sweeper you're commanding controlling their fate.

Each section of the canal is split into a ten by fifteen grid and any location can contain a mine. Although you can't actually see the mines, your rusty old mine-detector can tell when a mine is in one of the eight locations that surround your position.

The only thing standing in your way are the mines. Land on one and it's all over. Move around the screen by entering U(p), D(own), R(ight), or L(eft). Be sure CAPS LOCK is on. You can exit at any time by pressing CONTROL-BREAK. With skill and logic you'll be able to leave a clear trail of blank locations behind you for the tankers to use.



Where your ship is on the grid is shown by a number that also indicates how many mines are in the "square" of eight locations surrounding you. By backtracking, and by going around mines when you sense them, you can create a clear path from the left-hand side of the screen to the row of #'s on the right-hand side.

MINE SWEEPER was written by Neal Cavalier-Smith and has multiple levels of play. At the end of each round, the grid will be reprinted, with the mines shown in position. Your score is dependent upon how direct your path across the screen has been, and on the number of mines in that particular segment of the canal. Each time you finish a level, you'll be given a new grid, with more mines hidden.

Reading MINE SWEEPER

The following data strip contains the program described in this article. If you need additional help reading a data strip, refer to your reader instruction booklet. Your Cauzin communications program also contains help screens to assist you.

After you've read in the strip, you must have BASIC to run the program. Enter RUN "MINESWEP.BAS". Operating instructions are found in the article. Exit anytime by pressing CONTROL-BREAK.



by Neal Cavalier-Smith
Second Giant Book of Computer Games
Ballantine Books
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MINE SWEEPER

```
))
35 LOCATE 10,14:PRINT "MINE SWEEPER
 40 DEFINT A-Z
50 DIM A(11,17)
50 DIM A(11,17)
60 L=1:S=0:M=0
70 REM ********
80 REM LAY MINES
90 FOR X=1 TO 10
100 FOR Y=1 TO 15
100 FOR Y=1 TO 15

110 K=INT(RND(1)*25)+1-L

120 A(X,Y)=46

130 IF K=1 THEN A(X,Y)=64

140 NEXT Y

150 A(X,1)=46

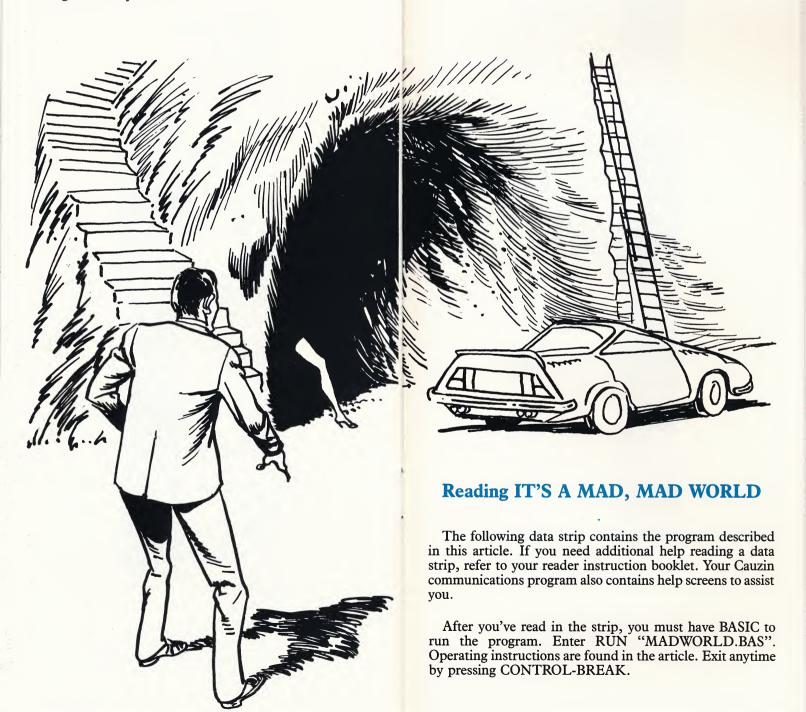
160 NEXT X
 210 CLS
220 CLS
230 PRINT:PRINT
240 FOR X=1 TO 10
250 PRINT TAB(11);">";
260 FOR Y=1 TO 15
270 IF A(X,Y)<>64 THEN PRINT CHR$(A
270 IF A(X,Y)<>64 THEN PRINT CHR$(A(X,Y));
280 IF A(X,Y)=64 THEN PRINT ".";
290 NEXT Y
300 PRINT "#"
310 NEXT X
320 PRINT
330 A(C,B)=32
340 REM **********
350 REM MOVE SWEEPER
360 PRINT "ENTER YOUR MOVE U(P), D(OWN)"
500 N=0
 620 PRINT "CONGRATULATIONS..."
640 PRINT "YOU HAVE CLEARED A PATH
THROUGH":PRINT
650 FOR X=1 TO 10:PRINT SPC(11);"#"
 ;
660 FOR Y=1 TO 15
670 PRINT CHR$(A(X,Y));
680 NEXT Y
690 PRINT "#"
680 NEXT Y
690 PRINT "#"
700 NEXT X
710 PRINT:IF A(C,B)=64 THEN END
720 PRINT "IT TOOK YOU"M"MOVES"
730 S=S+100-M
740 PRINT "YOUR SCORE IS"S
750 PRINT "YOU CAN NOW PROGRESS TO
LEVEL"L
760 M=0
770 INPUT "PRESS <ENTER> TO CONTINU
E";Q$
780 GOTO 80
790 REM ****
800 REM SPLAT
810 CLS:PRINT "SPLAT!!!!"
820 PRINT:PRINT "YOU'VE HIT A MINE,
TURKEY, SO THE"
830 PRINT "GAME IS OVER. YOUR SCORE
IS"S+L*10-M
840 GOTO 650
```

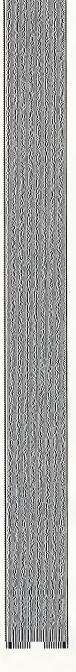
IT'S A MAD, MAD WORLD

You were a fool to escape from the lunatic asylum. After all, life was good there, with made-to-measure straight-jackets and congenial company. Now you're in the big, wide world and it doesn't take long to discover that life can be pretty tough on the outside.

IT'S A MAD, MAD WORLD is a text-adventure program that will immediately put you into a number of odd situations. In fact, there are enough strange things happening to make you even more unbalanced than you already are.

Can you solve the problems and get back to the security and comfort of your padded cell? Only time will tell. You will always be faced with two choices at each decision point in the game. Exit the program early by pressing CONTROL-BREAK. What you select will determine what happens in this flight of fancy and fun.





IT'S A MAD, MAD WORLD by Tim Hartnell second Giant Book of Computer Games Ballantine Books Copyright 1985. All rights reserved.

IT'S A MAD, MAD WORLD

```
10 REM IT'S A MAD, MAD WORLD
11 REM
12 REM FROM TIM HARTNELL'S
  13 REM
14 REM
15 REM
           REM SECOND GIANT BOOK
REM OF COMPUTER GAMES
            REM BALLANTINE BOOKS
REM
REM**************
  20 GOSUB 380:REM INITIALISE
30 L=1
 40 CLS
50 PRINT TAB(6); "IT'S A MAD, MAD WO
RLD"
CLD"

60 PRINT:PRINT " ";W$(L)

70 REM ************

80 PRINT

90 IF L=21 THEN L=20

100 IF W(L)<>1 THEN 170

110 PRINT TAB (2); "YOU WERE NOT CRAZ

Y ENOUGH TO WIN THIS"

120 PRINT "ADVENTURE. IF YOU WANT S

OME ADVICE, TRY"

130 PRINT TAB (3); "WRITING ADVENTURE

GAMES..."
 GAMES..."
140 PRINT:PRINT TAB(6); "...THAT WIL
L SEND YOU CRAZY!"
150 END
160 REM *************
170 IF W(L)<>2 THEN 220
180 PRINT "WELL DONE. YOU MUST BE M
AD TO FINISH"
190 PRINT TAB(9); "THIS ADVENTURE!":
   PRINT
  PRINT
200 END
210 REM ***********
220 PRINT "DO YOU:"
230 PRINT
240 PRINT "1. ";A$(L)
  240 PRINT "1. ";AS(L)
250 PRINT
260 PRINT "2. ";B$(L)
270 IF INKEY$<>>" THEN 270
280 N$=INKEY$
290 IF N$="" THEN 280
300 IF N$="1" THEN L=A(L):GOTO 40
310 IF N$="2" THEN L=B(L):GOTO 40
320 PRINT
  330 PRINT TAB(8); "NO SUCH CHOICE, F
OOL!"
340 GOTO 270
  340 GOTO 270
350 END
360 REM ********
370 REM INITIALISE
380 WIDTH 40:CLS
390 DIM W$(25),A$(25),B$(25)
400 DIM W$(25),A$(25),B(25)
410 FOR X=1 TO 25
420 READ W$(X),W(X)
430 READ A$(X),A (X)
440 READ B$(X),B (X)
450 NEXT X
460 RETURN
  450 NEXT X
460 RETURN
470 REM ****
480 REM DATA
490 DATA "YOU HAVE CRASHED ON AN IS
LAND",0
   LAND",0
500 DATA "HOBBLE ALONG THE BEACH",2
,"STAY BY THE HANGLIDER",10
510 DATA "A ROARING TIGER APPEARS",
  0
520 DATA "RUN INTO THE FOREST",3,"J
UMP INTO THE WATER",11
530 DATA "YOU SEE A DARK CAVE",0
540 DATA "ENTER IT",4,"KEEP GOING I
  SAU DATA "ENTER IT", 4, "REEP GOING I
NLAND", 7
550 DATA "YOU SEE A BAG OF GOLD", 0
560 DATA "LEAVE IT", 5, "TAKE IT", 6
570 DATA "A TROLL COMES BY AND TAKE
S THE GOLD. YOUR CHANCE TO BE RI
   CH GOES!"
  CH GOES!"
580 DATA 0, "CRY FOR HELP", 10, "PRACT
ICE BEING A LAWNMOWER", 25
590 DATA "A MONSTER APPEARS, YOU CA
NNOT RUN AWAY AS THE GOLD IS TOO H
EAVY..."
   600 DATA 1,0,0,0,0
610 DATA "YOU SEE A BOTTLE OF WINE"
   ,0
620 DATA "DRINK IT",8,"RUB THE BOTT
LE",9
630 DATA "YOU FEEL RATHER HAPPY, PI
  NK DISK DRIVES DANCE BEFORE YOUR EYES"
  ES"
640 DATA 1,0,0,0,0
650 DATA "A GENIE APPEARS AND GIVES
YOU A WISH",0
660 DATA "WISH TO GO HOME",25, "WISH
TO BE FILTHY RICH",5
670 DATA "A SPACE CRAFT LANDS",0
680 DATA "ENTER IT",12, "JUMP IN THE
WATER",11
```

690 DATA "YOU SEE A PIRATE SHIP",0
700 DATA "GO TO SHORE",3, "BOARD THE
SHIP",15
710 DATA "THE ALIENS WANT TO-CONQUE
R EARTH",0 720 DATA "HELP THEM", 14, "FIGHT THEM 730 DATA "FOOLISH PERSON. YOU ARE K ILLED IN THE CONFLICT",1,0,0,0,0
740 DATA "A HARD BATTLE BUT YOU WON . YOU ARE LE FIELD" STANDING IN THE BATT 750 DATA 0, "SURVEY THE BATTLEFIELD" ,16, "REST AND DO NOTHING",14
760 DATA "YOU BECOME A PIRATE FOR Y 760 DATA "YOU BECOME A PIRATE FOR Y EARS BEFORE YOU ARE CAST ADRIFT IN A BATH TUB"
770 DATA 0, "DO YOU WISH TO PRAY",9,
"PADDLE FOR SHORE",20
780 DATA "A WOUNDED HUMAN LIMPS TOW
ARDS YOU",0
790 DATA "KILL HIM",18, "DRESS HIS W
OUNDS",17
800 DATA "HE TURNS OUT TO BE THE KI
NG OF THE COUNTRY YOU DEFEATED
",0 810 DATA "FLEE FROM HIM", 3, "ASK FOR HIS FORGIVENESS", 19 820 DATA "MISTAKE IN MESSAGE! SHOUL D HAVE READ 'HUMANOID', AN ALIEN AL 830 DATA 1,0,0,0,0 840 DATA "YOU GET HIS FORGIVENESS A ND HE SENDS YOU BACK TO YOUR HOME", ND HE SEMBLE 12.0,0,0,0 2.0,0,0,0 RE IN A BATH. THERE ASSOCIATED A SPONGE W IS A RUBBER TH YOU" DUCK AND A SPONGE WI 860 DATA O, "STAY IN THE WARM BATH", 21, "GET OUT AND DRY YOURSELF", 22 870 DATA "I DON'T BLAME YOU AT ALI ..BUT YOU MUST DO SOMETHING ,20,0,0 880 DATA "YOU'RE OUT AND DRY. DO YO U WANT TO TAKE THE DUCKIE WITH YOU? 890 DATA 0, "OH YES PLEASE", 23, "NO T HANK YOU", 24 900 DATA "CARRYING THE SACRED DUCK IS PUNISHABLE BY DEATH HERE! ",1,0, 910 DATA "YOU ARE IN A CLEARING IN 910 DATA "YOU ARE IN A CLEARING IN A FOREST",0 920 DATA "GO TO THE EAST, BACK TO T HE CAVE",3 930 DATA "MAKE FOR THE PORT TO THE WEST",11 WEST",11
940 DATA "YOU'RE BACK AT HOME IN YOUR OWN PADDED CELL; THE JACKET FIT S SNUGLY" 950 DATA 2,0,0,0,0

THE CELTIC TAROT

Aren't computers wonderful! After saving the world from aliens, and fighting with a dragon or two, you can combine the world's newest technology with some of its elder wisdom, to find out what's in the cards for you.

Many experts believe that Tarot cards — widely used in fortune telling — appeared at the end of the 1300's in medieval France. "Whether the cards came from India, Egypt, or China... is of little moment," writes Frank Lind (HOW TO UNDERSTAND THE TAROT, The Aquarian Press, Wellingborough, UK, 1979). "What is of far more importance... is the antiquity of much of their symbolism" (pp. 7-8). The standard playing cards we use for games evolved from the original Tarot decks.

The 78 cards in the Tarot are divided into the Major and Minor Arcana. Fifty-six of the cards form four suits (Cups, Swords, Pentacles, and Wands). The 14th card in each suit is an additional court card, the knight, which was dropped when the ordinary deck of cards was formed. The 56 cards of the Minor Arcana have their own esoteric meanings and are often used in divination.



However, it is the Major Arcana (sometimes known as the "greater trumps") that is the real key to the Tarot. The CELTIC TAROT program concentrates on the 22 cards in this arcana. Occultists who use the Tarot claim the Major Arcana is like a mirror held up to your life, showing your grief and happiness, your plans and their fulfillment or destruction, your friendships, loves, and hatreds. Each card is many-sided, like a well-cut diamond, and each facet holds an insight.

There is no need for you to learn what each card signifies in order to use the program. Nor do you have to buy a Tarot deck, although you may well want to after running this program a few times.

There are many methods of using and interpreting the Tarot. Our program uses a pattern known as the "Celtic Cross." The Celtic design was chosen because it is "probably the most useful and versatile of all tarot spreads" (according to *PREDICTING THE FUTURE*, The Diagram Group, Ballantine Books, New York, 1983; p. 56).

The program does most of the work, leaving the finer points of interpretation to you. All you have to do is type in a question. The program deals your cards and reports the result. To exit early, press CONTROL-BREAK.

Whether you feel that the Tarot is a path to knowledge or just a recreation, try the CELTIC TAROT.

Reading CELTIC TAROT

The following data strip contains the program described in this article. If you need additional help reading a data strip, refer to your reader instruction booklet. Your Cauzin communications program also contains help screens to assist you.

After you've read in the strip, you must have BASIC to run the program. Enter RUN "TAROT.BAS". Operating instructions are found in the article. Exit anytime by pressing CONTROL-BREAK.



CELTIC TAROT
by Tim Hartnell
Second Giant Book of Computer Games
Ballantine Books
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CELTIC TAROT

```
10 REM THE CELTIC TAROT
10 REM THE CELTIC TAROT
11 REM
12 REM FROM TIM HARTNELL'S
13 REM SECOND GIANT BOOK
14 REM OF COMPUTER GAMES
15 REM
16 REM BALLANTINE BOOKS
17 REM
 18 REM *************
18 REM
19 REM
20 GOSUB 380:REM INITIALISE
30 GOSUB 250:REM ENTER QUESTION
40 GOSUB 530
50 PRINT R$;"?":PRINT
60 PRINT TAB(16);"... LET ME SEE...
130 PRINT A$(J)
140 GOSUB 530
150 X=INT(RND(1)*22):IF H(X)=1 THEN
150
 240 REM ********************
250 REM ENTER QUESTION
260 GOSUB 510
270 PRINT "ENTER YOUR QUESTION OR C
ONCERN NOW"
280 PRINT "AND I WILL USE THE CELTI
C CROSS SPREAD"
90 PRINT "IN AN ATTEMPT TO GIVE SO
ME GUIDANCE..."
300 GOSUB 510
310 INPUT "QUESTION: ",R$
320 GOSUB 510
330 PRINT TAB(4); "PLEASE STAND BY..."
  340 GOSUB 530
350 CLS
360 RETURN
  395 LOCATE 5,12:PRINT "THE CELTIC T
 AROT'
  540 RETURN
550 REM ***********
560 REM INTRODUCTORY DATA
570 DATA "THIS IS WHERE YOU STAND N
  580 DATA "THIS CARD IS FOR THE NEAR
 580 DATA "THIS CARD IS FOR THE NEAR FUTURE..."
590 DATA "AND THIS ONE IS WHAT YOU MIGHT DO..."
600 DATA "THIS IS SOMETHING IN THE PAST THAT IS RELEVANT TO YOUR QUE STION..."
610 DATA "THIS CARD RELATES TO A MO RE RECENT PAST EVENT..."
620 DATA "NOW, THIS CARD INDICATES YOUR POSITION IN SIX MONTHS OR SO..."
 630 DATA "IN YOUR LIFE OR WORK, THI
S MOST CLOSELY INFLUENCES YOU..."
640 DATA "THIS CARD REPRESENTS SOCI
AL INFLUENCES
650 DATA "YOUR HOPES AND FEARS ARE
REFLECTED IN THIS CARD..."
660 DATA "AND, FROM THESE, IN REPLY
THIS CARD POINTS TOWARDS AN AN
  , THIS CARD
```

680 REM CARD DATA 690 DATA "THE FOOL: NEW BEGINNINGS AND CHALLENGES" 700 DATA "THE MAGICIAN: OUTWARD PRO DECISIONS TO BE MADE 710 DATA "THE HIGH PRIESTESS: WISDO M, A PROBLEM WILL BE SIMPLIFIED.. ."
720 DATA "THE EMPRESS: A STABLE SIT UATION, GOOD FORTUNE..."
730 DATA "THE EMPEROR: GOALS WILL B E REACHED, BEWARE OF RUTHLESSNE 740 DATA "THE HIGH PRIEST: LISTEN T UNDERSTANDING LIKELY 750 DATA "THE LOVERS: A POSITIVE DE CISION LIKELY, RELATIONSHIPS PROSPE R..."
760 DATA "THE CHARIOT: A GOOD STAGE
IN YOUR LIFE ATTAINED, TRAVEL LIK
ELY..."
770 DATA "JUSTICE: BALANCE WILL BE
REACHED, DUE REWARD LIKELY... 780 DATA "THE HERMIT: REVALUATION O F PRIORITIES INDICATED, INNER GRO 790 DATA "WHEEL OF FORTUNE: GROWTH, LUCK, DECISIONS TO BE MADE 800 DATA "STRENGTH: YOUR INNER QUAL ENSURE YOU MEET THE ITIES WILL TEST..." 810 DATA "HANGED MAN: CAST AWAY MAT ERIAL VALUES, SACRIFICE REWARDED .. 820 DATA "DEATH: FRESH AWARENESS WI LL COME FROM TEMPORARY SETBACKS.. 830 DATA "ANGEL OF TIME (TEMPERANCE): MODERATION DEMANDED; WISE CHOIC E SEEN" EEN"
DATA "THE DEVIL: BE WARY OF GIV
IN TOO EASILY TO YOUR WHIMS ING IN TOO 850 DATA "THE TOWER: UNFORTUNATE IN REGROWTH CAN BE EXPE DICATIONS, 860 DATA "THE STAR: VERY POSITIVE, PRESH DEVELOPMENTS SEEN... "870 DATA "THE MOON: TRUST YOUR HEAR T RATHER THAN YOUR HEAD..." 880 DATA "THE SUN: A GOAL WITHIN RE ACH, LIGHT AFTER DARKNESS..." 890 DATA "JUDGEMENT: A PERIOD OF FR ESH BEGINNINGS AND ASSESSING VALUES 900 DATA "THE WORLD: COMPLETION OF A DIFFICULT TASK, ATTAINMENT OF A DIFFICULT A GOAL"

CAUZIN'S CORNER...

and now for something slightly different

These six games are written in BASIC, so you can see how they work and modify them. To see the commands, LOAD the program and enter LIST. You'll see all the program lines scroll down the screen. Enter LIST 200 to see just one line, in this case line 200.

If you want a printout of the program, enter BASIC and LOAD the program. Type LLIST and press ENTER. It will be helpful to have a printout to help you learn more about BASIC and about these games.

Many moves are determined by random chance. In BASIC this is the RND statement. To improve your chances of winning or to make the game harder, look for the use of this command and change the odds.

For example, ENGULF uses this command in two lines to determine a random move for the alien.

370 M=M - INT(RND(1)*3) + INT(RND(1)*3) 410 N=N - INT(RND(1)*3) + INT(RND(1)*3)

Variables M and N are the grid location of the alien. These two lines randomly change the coordinates anywhere from -2 to +2. To limit the alien's moves, change all these three's to two's. To increase the alien's range change some of the three's to 3.5 or 4.

You can easily add a printout function to CELTIC TAROT. Press CONTROL-P before you run the program. This activates your printer and sends all output to the printer as well as the screen. To turn off the printer, press CONTROL-P again.

These games all use the text screen. You could study them and use the programs as algorithms, or models, and add your own graphics and sounds. This can be as simple or complicated as you care to make it.

For example, try using "text graphics" to add color to CAVALIER 'CHUTE. These are graphics created with a PRINT statement combined with a COLOR statement. You will need a graphics card to see the results.

After you LOAD the program, type in the following lines. They will automatically be added to the previous ones. Save the modified program under a new name, to preserve the original version.

115 SCREEN 0,1 375 COLOR 15 545 COLOR 9 655 COLOR 2

Line 115 puts your computer in text mode and enables color. The white color of the parachute is determined by line 375. Use more commands on lines 425 and 435 to color parts of the parachutist. Line 545 colors the landing pad a light blue. Messages at the end of the game are green as a result of line 655.

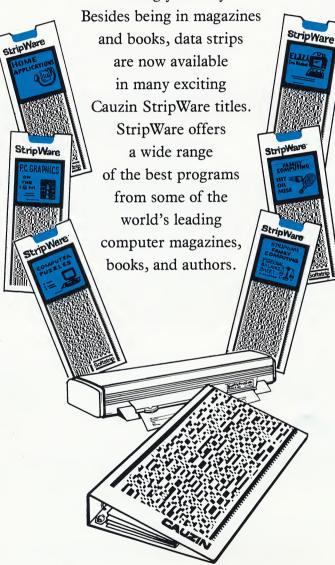
In the lines above, try other colors and try a colored background to create a custom look. Text graphics might be a way for you to add easy color graphics and animation to many of your own programs.

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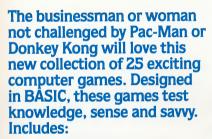
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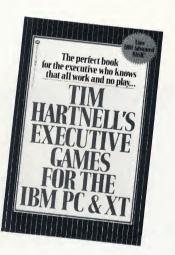
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- Detective Q: Solve the clues and find the killer!



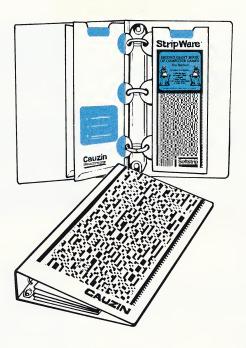


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